



Perform optimization

106

Perform live-dead analysis for objects to identify a set of dead objects (e.g., objects that are dead after execution of the function completes; no external references to the objects)

202

Create a local table including addresses of all bytecodes which created the dead objects

204

FIG. 2

FIG. 2

302 ~ 304

Index	Addresses
1	Address 1
2	Address 2
3	Address 3
4	Address 4

FIG. 3

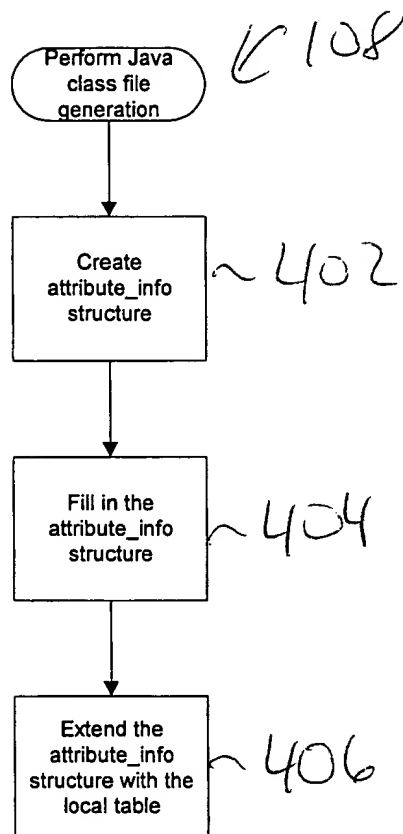


FIG. 3/4

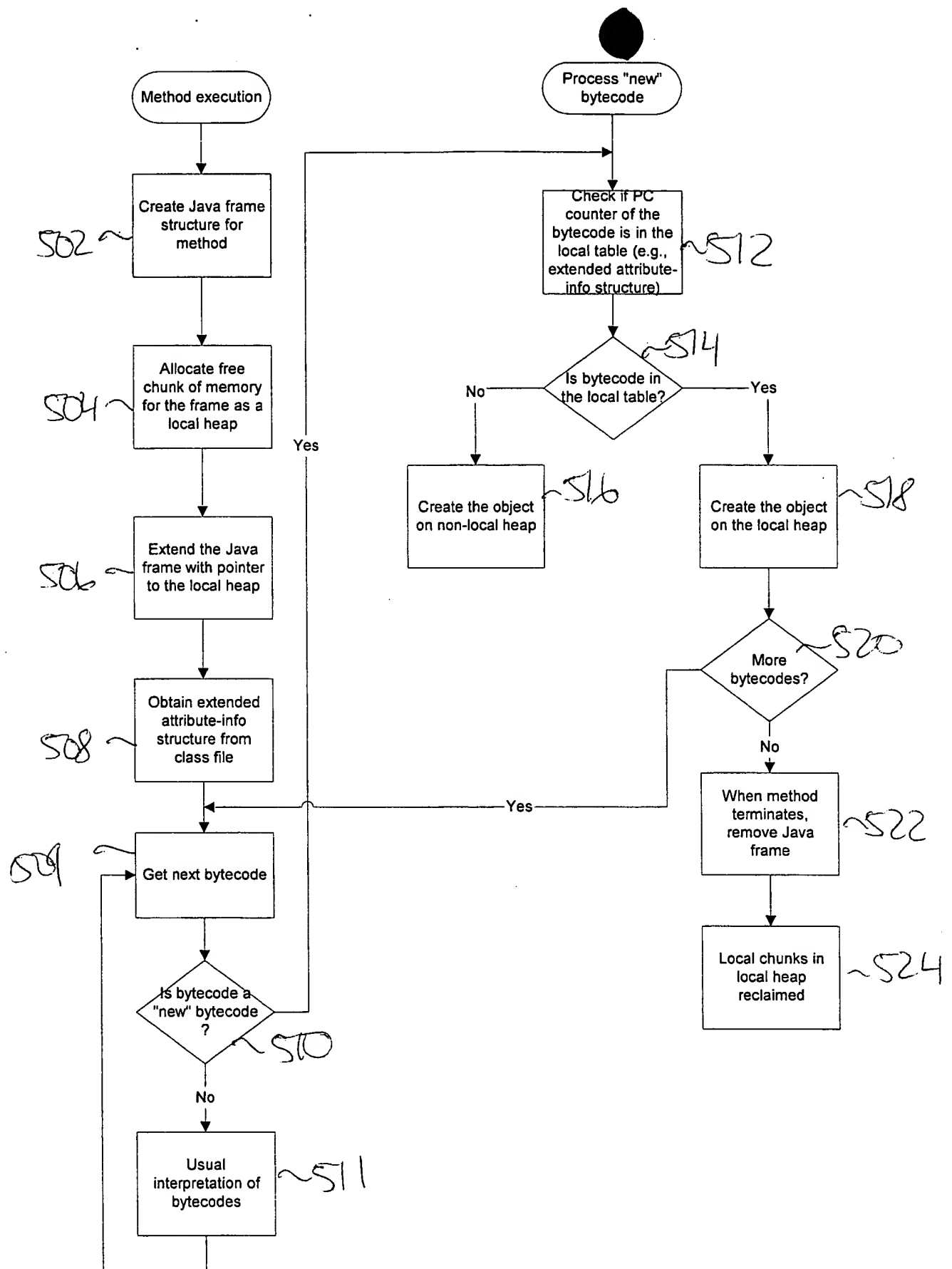


FIG. 4/5

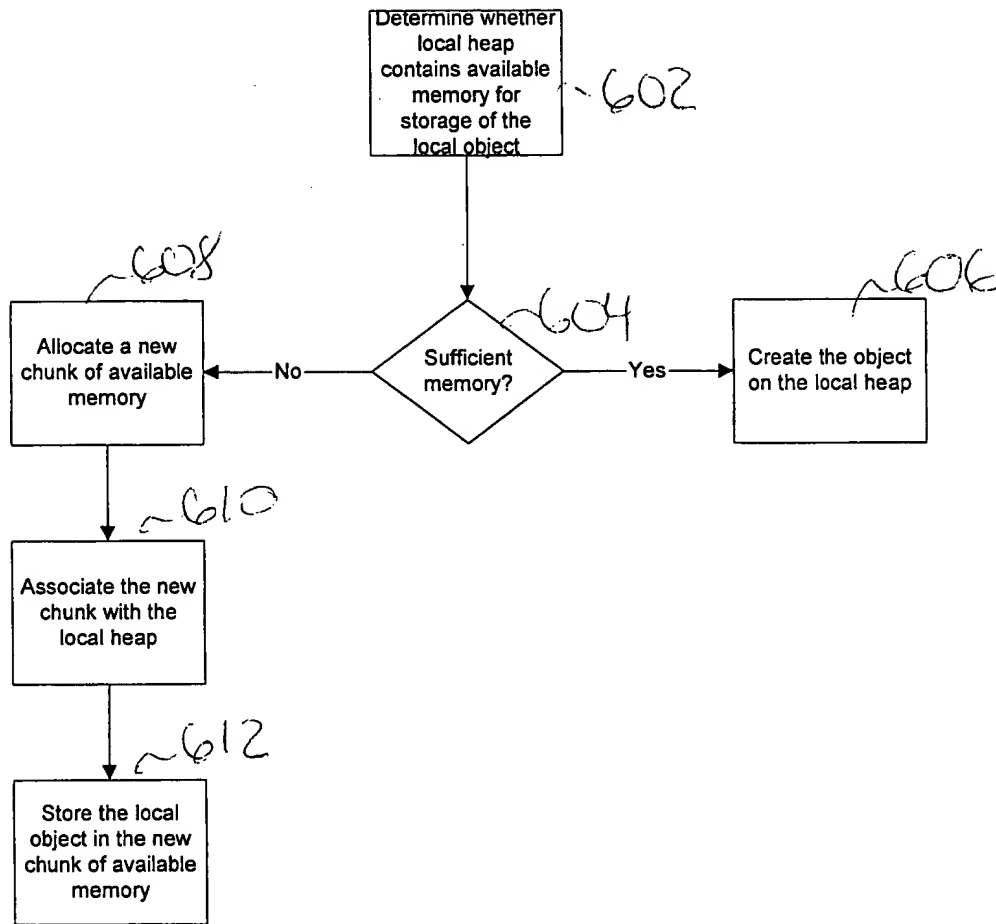


FIG. 6

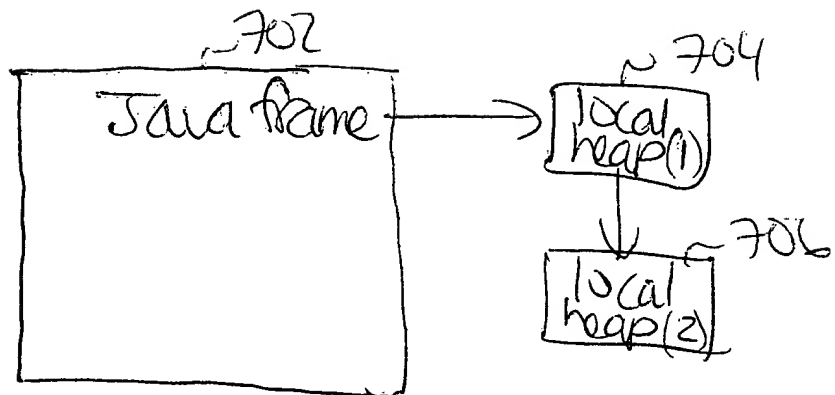


FIG 7

A block diagram of a computer system 1502. The central component is a large rectangle labeled "N PROCESSORS" (1504). It is connected to several other components: an "I/O" block (1512) above it, a "Secondary Storage" block (1510) to its left, a "Primary Storage" block (1506) to its right, a "RAM" block (1508) below the primary storage, and a "Network" block (1514) below it. Bidirectional arrows connect the central processor to the I/O, Secondary Storage, Primary Storage, and Network blocks. A single-headed arrow points from the RAM block to the central processor. Reference numerals 1502, 1510, 1512, 1504, 1506, 1508, and 1514 are handwritten and point to their respective components.

Figure 8



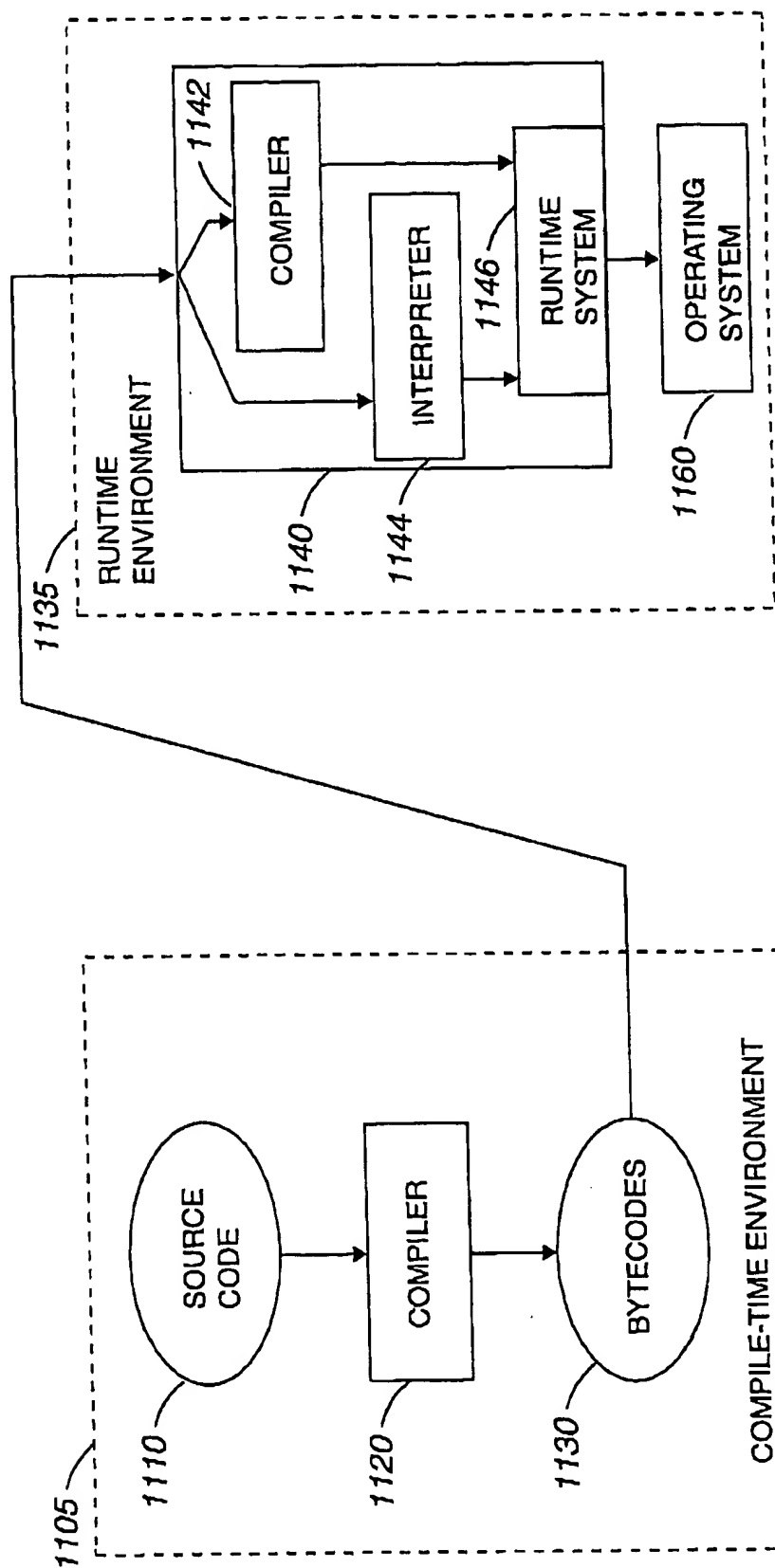


Figure 9